

Environmental Restoration Project



ER Site No. 102: Radioactive Disposal Area (East of TA-III)

ADS: 1306
Operable Unit: Tech Area III & V

Site History	1
Constituents of Concern.....	1
Current Hazards	1
Current Status of Work	2
Future Work Planned	2
Waste Volume Estimated/Generated	2

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Site History

Site 102 is an approximately 155-acre D-shaped area located east of the TA-V boundary. Building 6599 is located within the site boundaries.

Originally, the site had been identified by an interviewee as potentially contaminated. The interviewee said that radioactive disposal had occurred in a fenced-in area east of TA-III. The interviewee later said it was in the "southeast corner of TA-III," and that it contained a lot of "smelly" chemicals. It was later interpreted that he was referring to the Chemical Waste Landfill (CWL), [ER Site 74](#), rather than to some previously unknown burial site. The site remained on the Hazardous Solid Waste Act (HSWA) permit and was investigated as part of the TA III/V Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI).

Constituents of Concern

- Radioactive materials
- Metals
- High Explosives (HE)
- Volatile Organic Compounds
- Semi-volatile Organic Compounds.

Current Hazards

There are no current hazards at this site related to contamination of the surface or subsurface soils. There may be structures or stored materials that remain at the site that are a potential hazard.

Current Status of Work

In 1994, the SNL/NM ER Project conducted a geophysical survey and a radiation survey on 4.4 acres of the site covering an area of disturbed soil within the site boundaries to determine whether any radioactive burials existed. No geophysical or radioactive anomalies were found during the survey.

A site reconnaissance survey located a small subsurface storage tank (100-gallon sink waste tank) with a drain line to the associated Building 6599.

In 1994, the sink waste tank was excavated and removed. Three soil samples were collected from beneath the drain line and the tank. Two of the soil samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) RCRA metals, VOCs and SVOCs; one was analyzed for VOCs, SVOCs and total RCRA metals. All of the samples were analyzed with gamma spectroscopy. One VOC and one SVOC were detected in one of the soil samples at trace levels. No metals were detected above background screening values but the silver analysis had a method detection limit (MDL) slightly above background. No radionuclides were detected, but uranium-234 had a minimum detectable activity (MDA) above the approved background.

Data analysis, its interpretation, and a no further action recommendation for this site are presented in the TA-III/V RFI report. This report was submitted to the Environmental Protection Agency (EPA) and New Mexico Environment Department (NMED) in July 1996. No comments were received on Site 102 in either of two TA-III/V RFI Notice of Deficiencies from the NMED that were received in July 1997 and March 1998. NMED found Site 102 acceptable for No Further Action (NFA) petition on May 5, 2000. The NFA petition was approved by NMED on November 19, 2001, after completing the public review and permit modification process.

Future Work Planned

No further work is planned.

Waste Volume Estimated/Generated

No waste was generated.

Information for ER Site 102 was last updated Jan 30, 2003.